

M 4.4, 10km ENE of Dover, Delaware

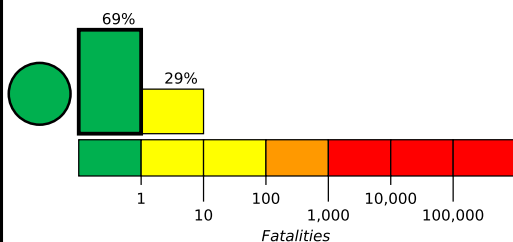
Origin Time: 2017-11-30 21:47:31 UTC (Thu 16:47:31 local)

Location: 39.2103° N 75.4333° W Depth: 7.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

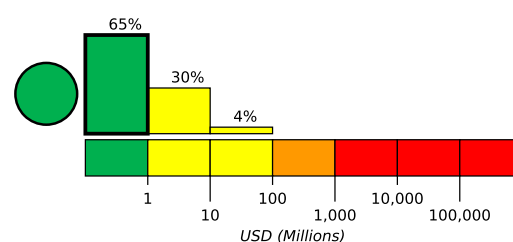
Created: 20 minutes, 58 seconds after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

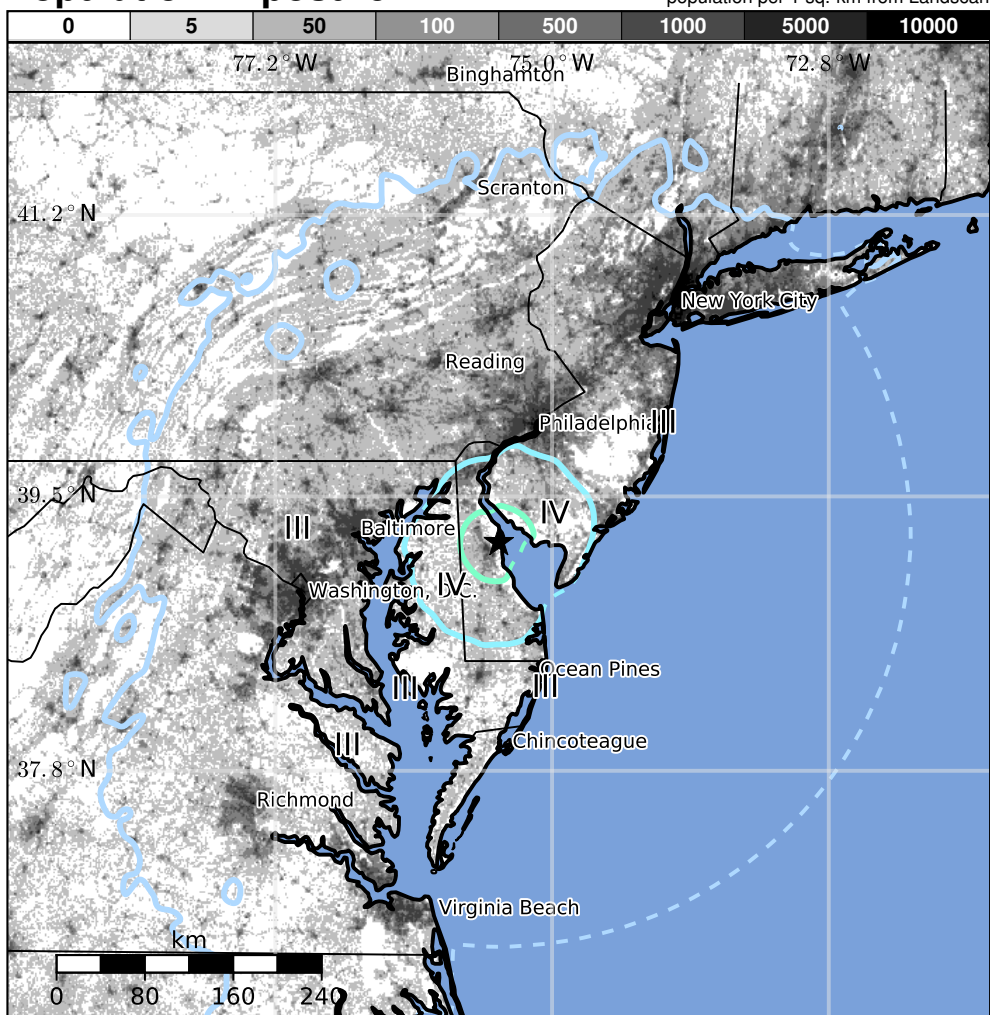


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	53,778k	1,140k	156k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-12-09	280	4.5	V(30k)	—
1994-01-16	134	4.6	V(269k)	—

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Dover	36k
V	Dover Base Housing	3k
V	Rodney Village	1k
V	Kent Acres	2k
V	Cheswold	1k
V	Highland Acres	3k
III	Trenton	85k
III	Harrisburg	50k
III	Washington, D.C.	602k
III	Richmond	204k
III	Hartford	125k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/ld60146101#pager>

bold cities appear on map.

(k = x1000)

Event ID: ld60146101